

**IN THE CLAIMS:**

1 – 9. (Cancelled)

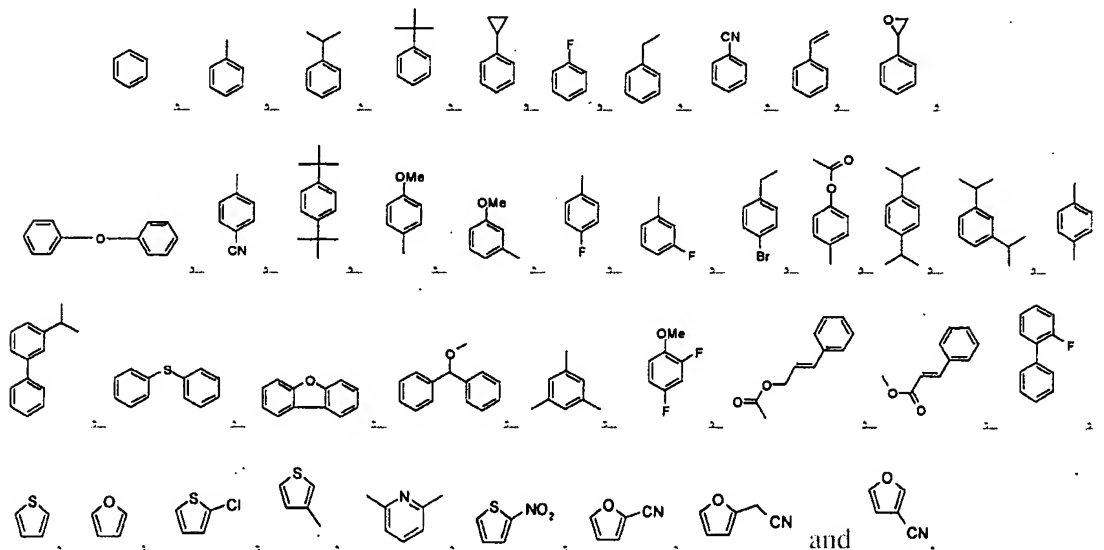
10. (Currently Amended) A nonaqueous electrolyte solution comprising the following components:

- i) a lithium salt;
- ii) an electrolyte compound/solvent;
- iii) a first additive compound with an oxidation initiation potential of more than 4.2 V;

and

iv) a second additive compound with an oxidation initiation voltage of more than 4.2 V, which is higher in oxidation initiation potential than the first additive, and which deposits oxidative products or forms a polymer film, in oxidation,

wherein the first additive is selected from the group consisting of



11. (Previously Presented) The nonaqueous electrolyte of Claim 10, wherein the content of the first additive is 0.1-2% by weight, and the content of the second additive is 0.5-5% by weight.

12. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein the oxidation initiation potential of the additives iii) and iv) is 4.2-5.3V.

13. (Previously Presented) The nonaqueous electrolyte solution of Claim 12, wherein the oxidation initiation potential of the additives iii) and iv) is 4.5-4.9V.

14. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein the compounds of the additives iii) and iv) with an oxidation initiation potential of more than 4.2V are aromatic compounds with an oxidation initiation potential of more than 4.2 V.

15. (Cancelled)

16. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein

the second additive is selected from the group consisting of

CCc1ccccc1

COc1ccc(C)cc1

COc1ccccc1

CCc1ccc(Br)cc1

CC(C)c1ccc(cc1)-c2ccccc2

c1ccc2c(c1)oc3ccccc32

COc1ccccc1-c2ccccc2

CC(=O)OC/C=C/c1ccccc1

Fc1ccccc1-c2ccccc2

c1ccsc1

c1ccoc1





Clc1ccsc1

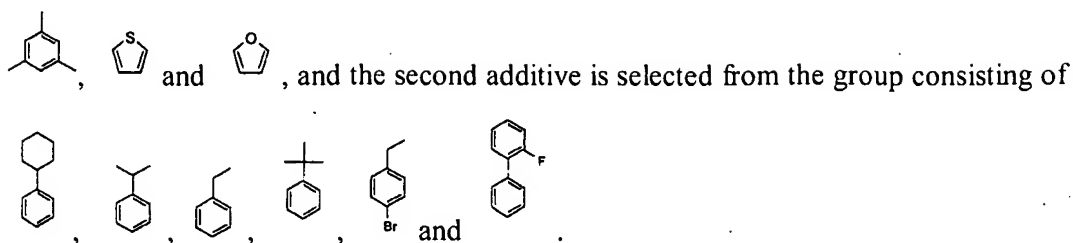
c1ccsc1

N#CCC1=CC=CO1

and

17. (Currently Amended) The nonaqueous electrolyte solution of Claim 10, wherein

the first additive is selected from the group consisting of [, , , ,



18. (Currently Amended) A lithium secondary battery comprising the following components:

- a) a cathode capable of absorbing and releasing lithium ions;
- b) an anode capable of absorbing and releasing lithium ions;
- c) a porous separator; and

d) ~~[[a]]the~~ nonaqueous electrolyte solution according to Claim 10, ~~wherein the nonaqueous electrolyte solution comprises the following components:~~

- ~~i) a lithium salt;~~
- ~~ii) an electrolyte compound;~~
- ~~iii) a first additive compound with an oxidation initiation potential of more than 4.2 V;~~

and

~~iv) a second additive compound with an oxidation initiation voltage of more than 4.2 V, which is higher in oxidation initiation potential than the first additive, and deposits oxidative products or forms a polymer film, in oxidation.~~

19. (Previously Presented) The lithium secondary battery of Claim 18, wherein the content of the first additive compound is 0.1-2% by weight, and the content of the second additive compound is 0.5-5% by weight.

20. (Previously Presented) The lithium secondary battery of Claim 18, wherein the oxidation initiation potential of the additives iii) and iv) is 4.2-5.3V.

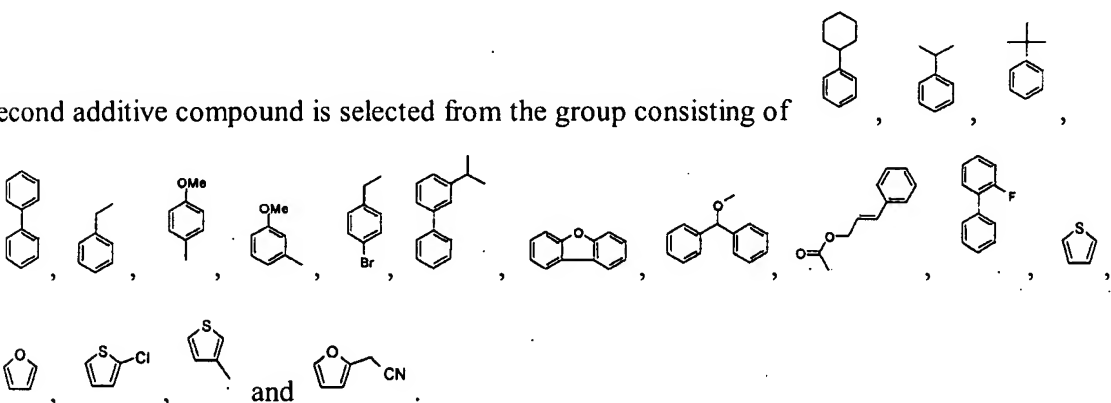
21. (Previously Presented) The lithium secondary battery of Claim 20, wherein the oxidation initiation potential of the additives iii) and iv) is 4.5-4.9V.

22. (Previously Presented) The lithium secondary battery of Claim 18, wherein the compounds of the additives iii) and iv) with an oxidation initiation potential of more than 4.2V are aromatic compounds with an oxidation initiation potential of more than 4.2 V.

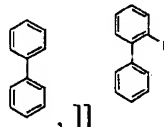
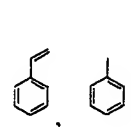
23. (Cancelled)

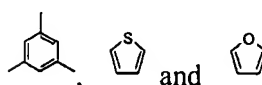
24. (Previously Presented) The lithium secondary battery of Claim 18, wherein the

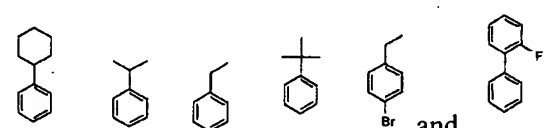
second additive compound is selected from the group consisting of



25. (Currently Amended) The lithium secondary battery of Claim 18, wherein the first

additive compound is selected from the group consisting of [[  ], ] ,  ,

 , and the second additive compound is selected from the group

consisting of  .

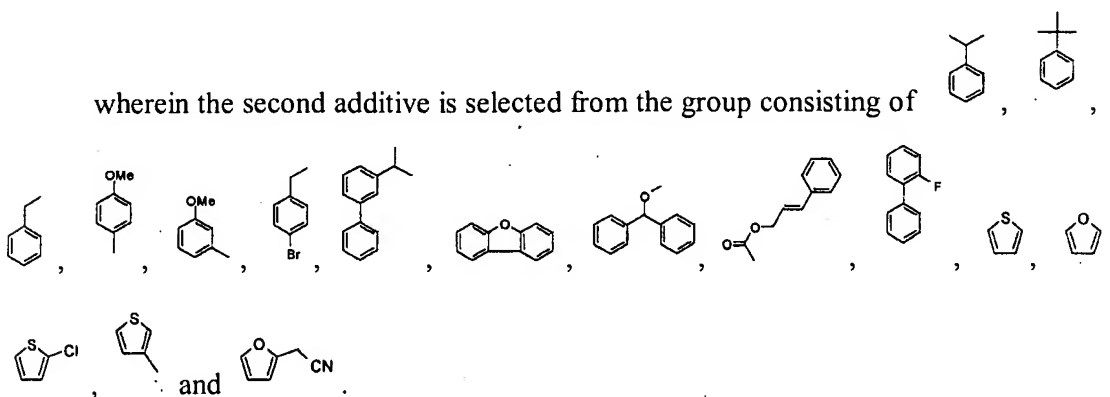
26. (New) A nonaqueous electrolyte solution comprising:

- i) a lithium salt;
- ii) an electrolyte solvent;

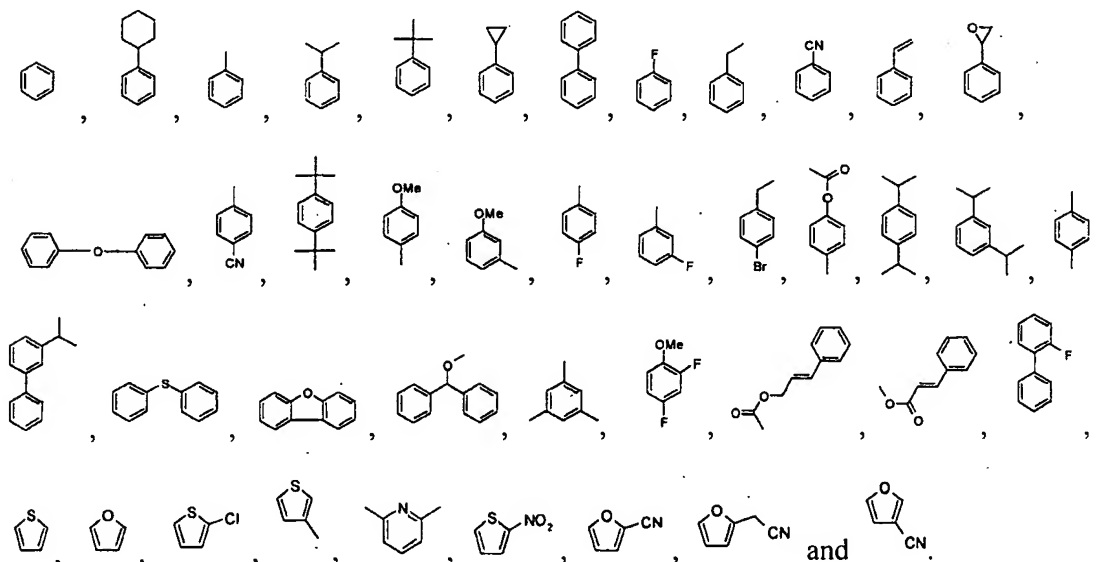
iii) a first additive compound with an oxidation initiation potential of more than 4.2 V;  
and

iv) a second additive compound with an oxidation initiation voltage of more than 4.2 V, and which is higher in oxidation initiation potential than the first additive, and which deposits oxidative products or forms a polymer film, in oxidation,

wherein the second additive is selected from the group consisting of



27. (New) The nonaqueous electrolyte solution of claim 26, wherein the first additive is selected from the group consisting of



28. (New) A lithium secondary battery comprising:

- a) a cathode capable of absorbing and releasing lithium ions;
- b) an anode capable of absorbing and releasing lithium ions;
- c) a porous separator; and
- d) the nonaqueous electrolyte solution according to claim 26.

29. (New) The lithium secondary battery of claim 28, wherein the first additive is

